

WELL SUMMARY

page 1 of 2Location ID: JP-1-424 Field Representative(s): Kaszuba/CooperNorthing: 223189.30 Easting: 397426.70Date Started: 31 October 1987 Date Completed: 5 December 1987Drilling Method: Air-foam rotary Drilling Contractor: LarionDriller: Jim GowerTotal Depth Borehole: 490' Total Depth Well Casing: 440'Total Depth Surface Casing: 100'Diameter Well Casing: 4" Diameter Surface Casing: 10"Length of Bottom Blank: 5'Type of Screen: extra strength 0.02 slotScreen Interval: 424' to 434.3'Water First Detected: 465' Water Level Open Borehole: 372' (G.L.)Water Level Cased Borehole: 376'

Quik-Foam Use:

Estimated Water Use:

Well Casing:

4in x 3ft SCD 40 PVC:	stock SS centralizers:
4in x 5ft SCD 40 PVC:	custom SS centralizers: 1
4in x 10ft SCD 40 PVC:	4"x2' SS locking riser: 1
4in x 20ft SCD 40 PVC:	4" SS locking cap: 1
Total SCD 40 PVC pipe: ft	4" SS female cap: 1

4in x 3ft SCD 5 SS pipe:	4in x 5ft SCD 10 SS pipe:
4in x 5ft SCD 5 SS pipe:	4in x 10ft SCD 10 SS pipe: 2
4in x 10ft SCD 5 SS pipe: 33	4in x 20ft SCD 10 SS pipe: 4
4in x 20ft SCD 5 SS pipe:	Total SCD 10 SS pipe: 100 ft
Total SCD 5 SS pipe: 330 ft	

Well Completion:

100# bags 16/40 sand: 11 bags
100# bags 10/20 sand: bags
100# bags 8/14 sand: 9 bags
100# bags 8/20 sand: 7 bags

94# bags cement: 120 bags

5 gal. buckets bentonite: 2 2/3 buckets

50# bentonite powder: 12 bags

Surface Casing:

94# bags cement: 0 bags

50# bags bentonite powder: 0 bags

Pertinent Field Notes:

10/31/87 Fence mud pits at JP-1, JP-2 and JP-3, complete set up on JP-1, spud well, drill 0'-25' 12 1/4" bit Kaszuba
11/1/87 Drill 25'-100' 12 1/4" bit, set 10"x100' steel surface casing Kaszuba
11/2/87 Steam clean bit and stabilizer, drill 100'-190' with 7 7/8" bit Kaszuba
11/3/87 Drill 190'-390', 7 7/8" bit, blow hole to check for static tomorrow Kaszuba
11/4/87 Static in borehole 361.9', bail borehole dry Kaszuba
11/5/87 Borehole has 21' slough, clean hole to 390', drill 390' to 490', mud thins and pressure increase at 465', possible water Kaszuba
11/6/87 Bail borehole ~ 77 gallons, 16' slough in borehole, collect unofficial samples for Tracer to analyze Kaszuba
11/8/87 Geophysical logging by Akins of S.W. Surveys
11/22/87 Steam clean all equipment and old casing in inventory, set 357' tremie, bottom fill with 16/40 470.6'-446.8', bottom bentonite plug installed, 16/40 above plug added Kaszuba
11/23/87 Run 443.17 casing, screen set at 424'-434.3', gravel pack (8/20 sand) to 422' Kaszuba
11/24/87 Install upper 16/40 sand and upper bentonite plug, backfill to 366.4' with mixture of 16/40, 8/20 and 8/14 sand Kaszuba
11/25/87 Grout well to 10' below ground level
12/1/87 Bail 225.5 gallons, sand free and almost silt free Kaszuba
12/5/87 Finish grouting JP-1 by hand and set brass cap
12/7/87 Set pump at 430', pump rate ~15 gallons/minute, develop 700 gallons, stabilize pH and conductivity, well developed Cooper